

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952069

Luminaire Tested: **GALN-SB6A-740-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-740-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21994 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

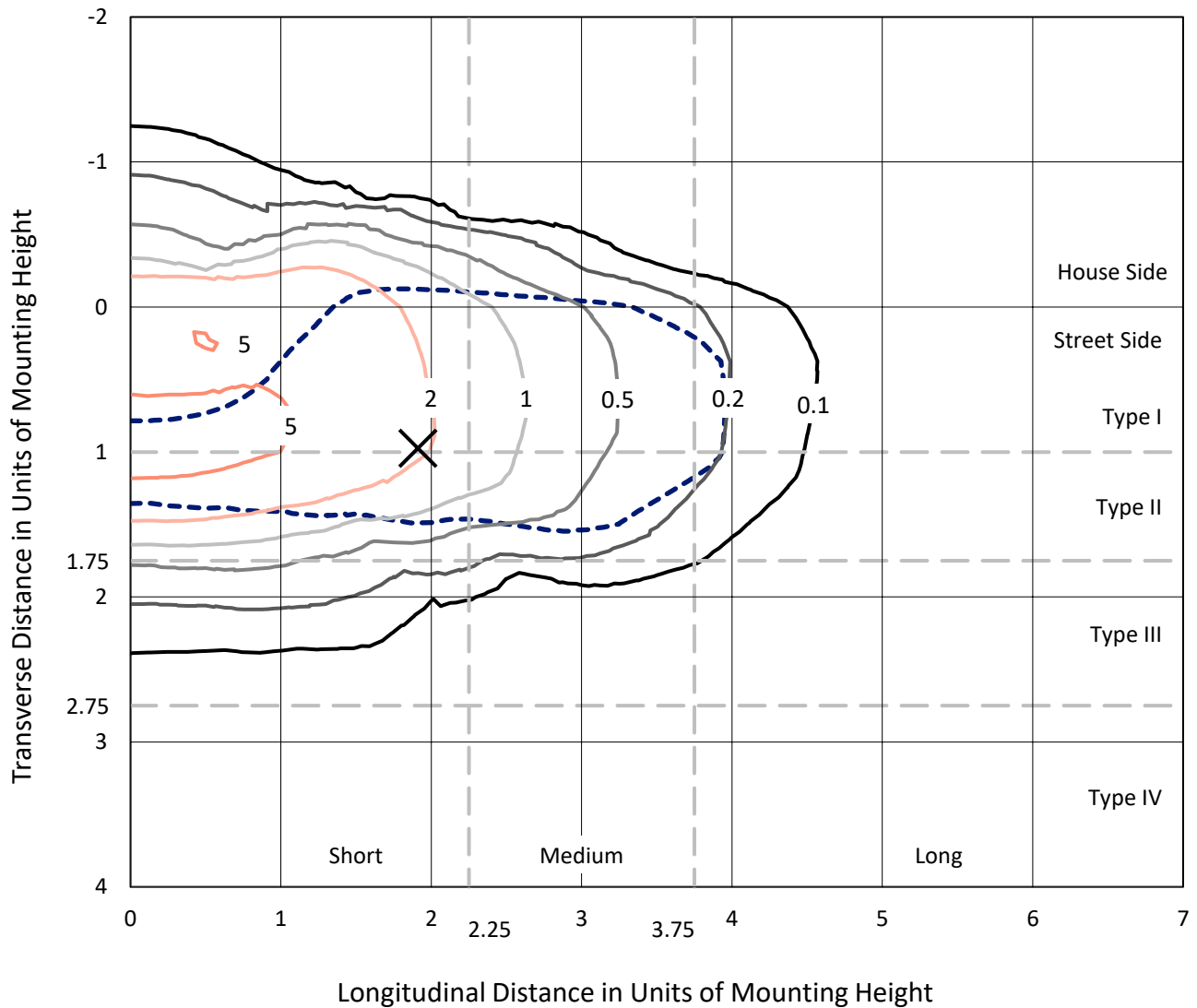
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

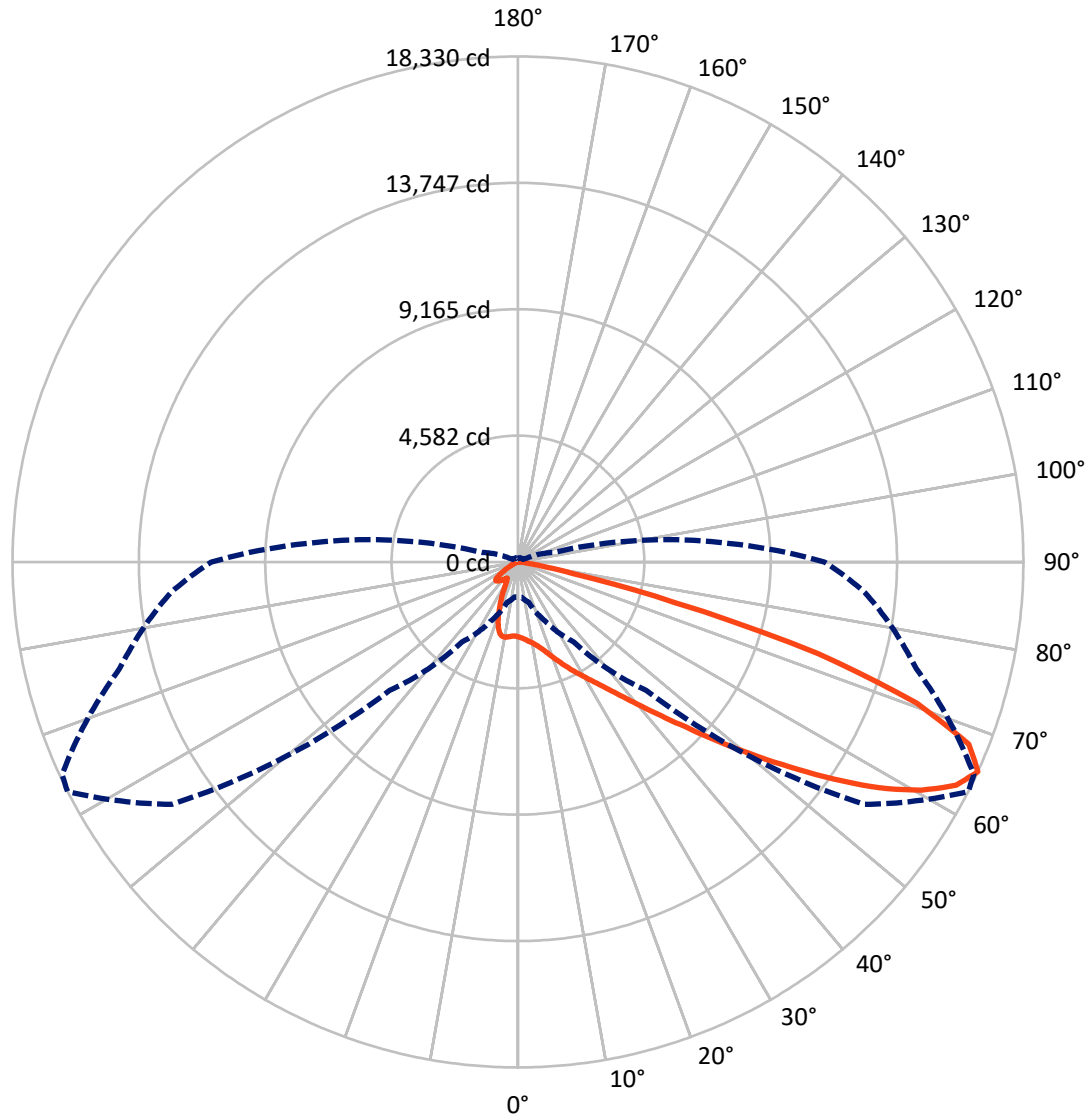
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3233.0	0.0	3233.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	18761.1	0.0	18761.1
	% Fixture	85.3	0.0	85.3
Total	Lumens	21994.0	0.0	21994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.2
10°-20°	709.6	3.2
20°-30°	1235.6	5.6
30°-40°	2227.1	10.1
40°-50°	4417.1	20.1
50°-60°	6016.8	27.4
60°-70°	4802.6	21.8
70°-80°	2173.3	9.9
80°-90°	156.2	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21994.0	100.0
0°-180°	21994.0	100.0

Coefficient of Utilization



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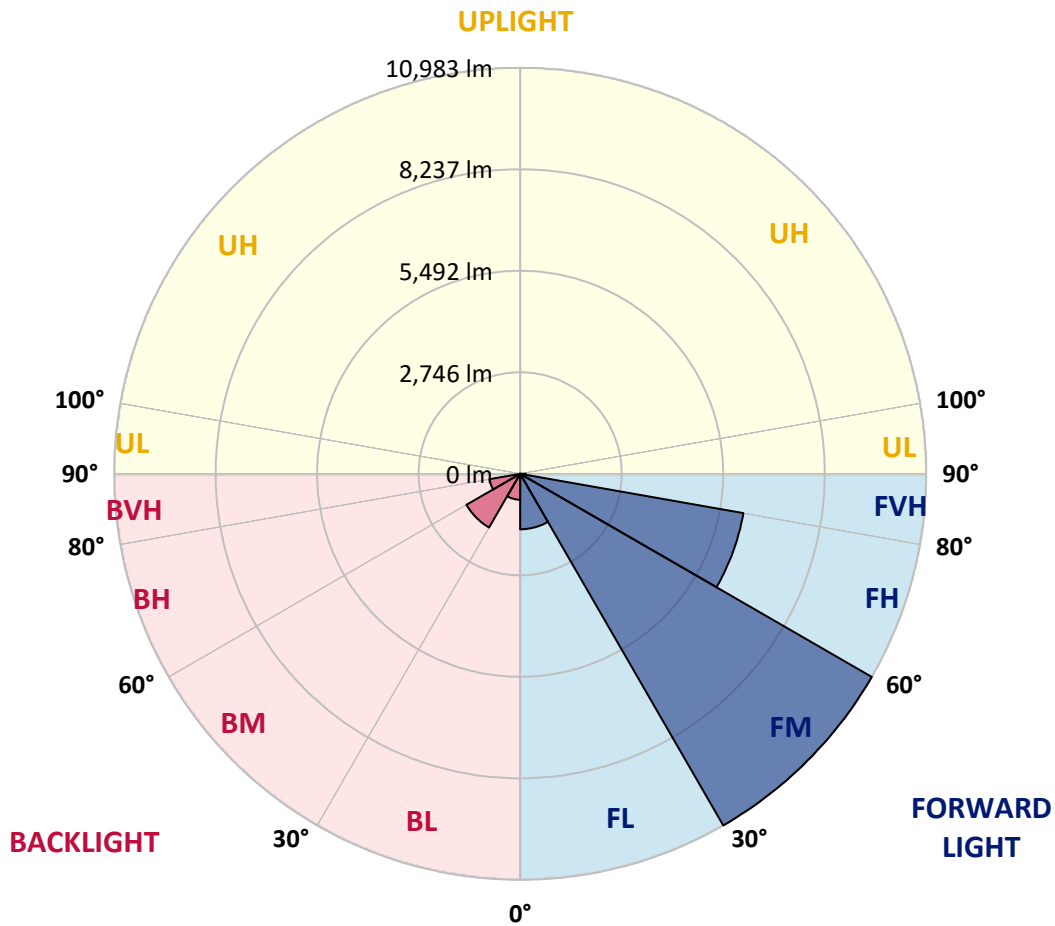
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1501.4	6.8			
FM (30°-60°)	10983.3	49.9			
FH (60°-80°)	6131.8	27.9			G3/7500
FVH (80°-90°)	144.6	0.7			G2/225
BL (0°-30°)	699.7	3.2	B2/1000		
BM (30°-60°)	1677.7	7.6	B2/2500		
BH (60°-80°)	844.0	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5
2.5°	2778.0	2770.5	2781.1	2776.5	2773.5	2767.4	2764.4	2761.4	2755.3	2750.8
5°	2785.6	2781.1	2791.6	2800.7	2809.8	2818.9	2823.4	2829.5	2823.4	2811.3
7.5°	2722.0	2719.0	2741.7	2768.9	2809.8	2844.6	2882.4	2903.6	2905.1	2900.6
10°	2717.5	2709.9	2732.6	2765.9	2818.9	2880.9	2947.5	2992.9	2998.9	3018.6
12.5°	2788.6	2781.1	2812.8	2849.1	2903.6	2968.7	3050.4	3113.9	3123.0	3150.2
15°	2908.2	2897.6	2933.9	2980.8	3050.4	3124.5	3210.8	3268.3	3275.8	3309.1
17.5°	3047.4	3036.8	3079.1	3129.1	3204.7	3306.1	3406.0	3469.5	3478.6	3499.8
20°	3225.9	3212.3	3245.6	3291.0	3371.2	3492.2	3611.7	3702.5	3701.0	3701.0
22.5°	3433.2	3412.0	3440.8	3477.1	3552.7	3699.5	3858.4	3965.8	3965.8	3923.4
25°	3655.6	3634.4	3666.2	3699.5	3766.1	3932.5	4118.6	4251.8	4257.8	4185.2
27.5°	3934.0	3906.8	3931.0	3970.3	4009.7	4179.1	4400.1	4554.4	4557.4	4445.4
30°	4469.7	4392.5	4316.8	4274.5	4292.6	4460.6	4696.6	4867.6	4882.7	4728.4
32.5°	5450.1	5435.0	5168.7	4820.7	4639.1	4763.2	5028.0	5233.8	5242.8	5044.6
35°	6973.8	6955.7	6527.5	5864.7	5273.1	5168.7	5430.5	5674.1	5668.0	5444.1
37.5°	8792.5	8775.9	8211.5	7324.8	6367.1	5781.5	5949.5	6205.2	6243.0	5949.5
40°	10346.5	10284.4	9927.4	9072.5	7819.6	6798.3	6687.8	6857.3	6896.6	6548.6
42.5°	11523.7	11470.7	11289.1	10755.0	9577.8	8302.3	7557.9	7622.9	7666.8	7249.2
45°	12133.4	12121.3	12194.0	12144.0	11369.3	10148.3	8801.6	8530.8	8547.4	8025.4
47.5°	12219.7	12213.6	12545.0	13014.0	12909.6	12230.3	10397.9	9662.6	9603.6	8901.5
50°	11711.3	11699.2	12334.7	13213.8	13938.5	13979.4	12210.6	10938.1	10808.0	9807.8
52.5°	10087.7	10084.7	11128.7	12591.9	14300.2	15510.6	14002.1	12339.2	12121.3	10767.1
55°	7762.1	7818.1	9015.0	10744.4	13640.5	16247.5	15610.5	13894.7	13560.3	11732.5
57.5°	5498.6	5580.3	6763.5	8303.8	11594.8	15811.7	16698.4	15453.1	15093.0	12694.8
60°	2953.5	3026.2	4210.9	6049.3	8626.1	14186.7	17271.9	16805.8	16465.4	13608.7
62.5°	1759.7	1783.9	2274.2	3905.3	5834.5	10838.2	17028.3	17836.3	17556.3	14375.8
65°	1263.4	1268.0	1514.6	2384.6	3542.1	6584.9	15320.0	18329.5	18243.3	14953.8
67.5°	1063.7	1060.7	1163.6	1584.2	2413.4	3298.5	11741.5	17632.0	17998.2	15320.0
70°	912.4	916.9	1038.0	1160.5	1814.2	1867.1	5837.5	15351.8	16132.5	15416.8
72.5°	679.4	694.5	806.5	1057.6	1369.3	1284.6	2015.4	11382.9	12794.6	14525.6
75°	479.6	487.2	567.4	889.7	1021.3	935.1	1028.9	5884.4	7694.0	11136.3
77.5°	369.2	382.8	429.7	621.9	1006.2	656.7	629.4	2036.6	3129.1	6727.2
80°	199.7	223.9	310.2	449.4	706.6	464.5	311.7	811.0	1060.7	3145.7
82.5°	102.9	115.0	216.4	323.8	402.5	405.5	154.3	337.4	437.3	971.4
85°	40.9	49.9	145.3	178.5	207.3	199.7	69.6	136.2	157.4	269.3
87.5°	9.1	15.1	53.0	40.9	39.3	42.4	16.6	31.8	30.3	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2714.5	0°	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5
2732.6	2.5°	2731.1	2725.1	2708.4	2690.3	2669.1	2657.0	2649.4	2647.9	2637.3	2629.7
2793.2	5°	2776.5	2770.5	2738.7	2700.9	2660.0	2628.2	2598.0	2570.7	2531.4	2523.8
2880.9	7.5°	2867.3	2850.7	2799.2	2747.8	2670.6	2578.3	2466.3	2337.7	2222.7	2187.9
2997.4	10°	2979.3	2956.6	2891.5	2800.7	2629.7	2378.6	2107.7	1856.6	1656.8	1600.8
3135.1	12.5°	3106.4	3086.7	3000.4	2832.5	2458.8	2003.3	1588.7	1277.0	1083.4	1035.0
3281.9	15°	3257.7	3228.9	3109.4	2784.1	2153.1	1522.2	1090.9	906.3	836.7	827.7
3449.8	17.5°	3418.1	3371.2	3206.2	2610.1	1741.6	1081.9	842.8	789.8	759.6	750.5
3619.3	20°	3564.8	3504.3	3263.7	2346.8	1301.3	842.8	755.0	720.2	693.0	682.4
3788.8	22.5°	3711.6	3625.4	3263.7	1988.2	975.9	747.5	693.0	661.2	629.4	615.8
3970.3	25°	3864.4	3749.4	3206.2	1588.7	785.3	685.4	634.0	599.2	571.9	555.3
4142.8	27.5°	4012.7	3853.8	3074.6	1210.5	699.0	631.0	579.5	546.2	520.5	508.4
4330.5	30°	4153.4	3956.7	2890.0	918.4	643.1	578.0	529.6	500.8	475.1	463.0
4574.1	32.5°	4344.1	4086.8	2693.3	753.5	594.6	528.1	484.2	457.0	434.3	425.2
4890.3	35°	4608.9	4279.0	2523.8	739.9	553.8	487.2	443.3	417.6	394.9	387.3
5298.8	37.5°	4984.1	4589.2	2434.6	830.7	520.5	450.9	410.0	382.8	361.6	355.6
5817.8	40°	5447.1	5009.8	2483.0	921.5	497.8	419.1	379.8	352.5	334.4	326.8
6414.0	42.5°	5996.4	5528.8	2750.8	991.1	482.7	391.9	351.0	320.8	308.7	305.6
7090.3	45°	6627.3	6099.2	3160.8	1065.2	458.5	366.2	322.3	299.6	290.5	289.0
7825.7	47.5°	7344.5	6725.7	3635.9	1157.5	434.3	342.0	299.6	284.5	276.9	273.9
8592.8	50°	8055.7	7356.6	4124.7	1209.0	414.6	319.3	281.4	269.3	263.3	261.8
9403.8	52.5°	8800.1	8005.7	4519.6	1160.5	397.9	301.1	266.3	257.2	251.2	249.7
10151.3	55°	9509.7	8530.8	4587.7	985.0	364.7	282.9	249.7	245.1	237.6	237.6
10909.3	57.5°	10121.0	8794.1	4106.5	723.3	331.4	255.7	233.0	228.5	222.4	220.9
11593.3	60°	10682.4	8718.4	3169.9	487.2	295.1	228.5	211.8	208.8	202.8	195.2
12187.9	62.5°	10998.6	8385.5	2168.3	317.7	258.7	199.7	187.6	186.1	172.5	157.4
12628.2	65°	11118.2	7701.6	1352.7	231.5	216.4	171.0	161.9	158.9	139.2	122.6
12877.9	67.5°	11013.7	6575.9	682.4	183.1	171.0	142.2	133.2	133.2	119.5	104.4
12862.7	70°	10596.1	4929.6	287.5	146.8	131.6	108.9	108.9	115.0	101.4	84.7
12195.5	72.5°	9689.8	3316.7	152.8	112.0	98.4	77.2	89.3	93.8	80.2	63.5
9981.8	75°	7703.1	2023.0	105.9	83.2	62.0	54.5	68.1	71.1	54.5	42.4
6843.7	77.5°	5268.6	1162.0	71.1	53.0	39.3	31.8	46.9	43.9	28.7	19.7
2638.8	80°	2313.5	484.2	40.9	24.2	15.1	12.1	16.6	12.1	9.1	6.1
361.6	82.5°	270.8	113.5	15.1	9.1	6.1	3.0	1.5	0.0	0.0	0.0
110.5	85°	56.0	13.6	7.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0
19.7	87.5°	10.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
2714.5
2637.3
2520.8
2171.3
1579.7
1021.3
818.6
746.0
676.3
608.3
549.2
508.4
464.5
425.2
387.3
354.1
325.3
305.6
287.5
273.9
261.8
249.7
236.0
219.4
193.7
154.3
<i>121.0</i>
102.9
83.2
63.5
40.9
21.2
6.1
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